

**CLASSIFICATION AND CORRELATION
OF
THE SOILS OF**

***GIBSON COUNTY
INDIANA***

APRIL 1986

LOCATION



**U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
MIDWEST NATIONAL TECHNICAL CENTER
LINCOLN, NEBRASKA**

UNITED STATES DEPARTMENT OF AGRICULTURE
Soil Conservation Service
Midwest National Technical Center
Lincoln, Nebraska 68508-3866

First Amendment to

Classification and Correlation
of the Soils of
Gibson County, Indiana

The information upon which this amendment is based is on the manuscript and a conversation between Jerry D. Larson and Roger L. Haberman on May 27, 1986.

Page 2.--Change Approved Map Unit Name Alford-Parke complex,
18 to 50 percent slopes to Alford-Parke silt loams,
18 to 50 percent slopes.

Approved: May 28, 1986

Rodney F. Harner
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Classification and Correlation
of the Soils of
Gibson County, Indiana

The field correlation and final field review for the soil survey of Gibson County, Indiana, was held at Princeton, Indiana, May 28-30, 1985. Participating in the final field review were Kendall M. McWilliams, soil survey party leader and William D. Hosteter, Indianapolis State Office. The data reviewed consisted of the first draft of the soil survey manuscript, correlation samples, field sheets, map unit notes, laboratory data, and SCS-SOILS-5 forms. Roger L. Haberman, soil correlator, MNTC, participated in the comprehensive field review on February 25 - March 1, 1985. The field correlation was reviewed by Roger L. Haberman in September 1985. The final correlation was based on the draft manuscript, field notes, copies of the field sheets, laboratory data, SCS-SOI-6's, selected correlation samples, and the field correlation.

Headnote for the Detailed Soil Survey Legend:

Map symbols consist of a combination of letters or of letters and numbers. The first capital letter is the initial one of the map unit name. The lowercase letter that follows separates map units having names that begin with the same letter, except that it does not separate sloping or eroded phases. The second capital letter indicates the class of slope. Symbols without a slope letter are for nearly level soils or miscellaneous areas. A final number of 2 indicates that the soil is moderately eroded and a number 3 indicates that the soil is severely eroded.

SOIL CORRELATION OF
GIBSON COUNTY, INDIANA

Field symbols	Field map unit name	Publi- cation symbol	Approved map unit name
Ad, Lw, Lw+, Ca	Adrian muck- Rensselaer mucky loam complex, drained	Ad	Adrian-Rensselaer complex, drained
ALA	Alford silt loam, 0 to 2 percent slopes	ALA	Alford silt loam, 0 to 2 percent slopes
ALB2, ALB	Alford silt loam, 2 to 6 percent slopes, eroded	ALB2	Alford silt loam, 2 to 6 percent slopes, eroded
ALB3	Alford silt loam, 2 to 6 percent slopes, severely eroded	ALB3	Alford silt loam, 2 to 6 percent slopes, severely eroded
ALC2, PKC2	Alford silt loam, 6 to 12 percent slopes, eroded	ALC2	Alford silt loam, 6 to 12 percent slopes, eroded
ALC3, PaC3, PkC3, NgC3	Alford silt loam, 6 to 12 percent slopes, severely eroded	ALC3	Alford silt loam, 6 to 12 percent slopes, severely eroded
ALD2, PaD2, PkD2	Alford silt loam, 12 to 18 percent slopes, eroded	ALD2	Alford silt loam, 12 to 18 percent slopes, eroded
ALD3, PaD3, PkD3, NgD3	Alford silt loam, 12 to 18 percent slopes, severely eroded	ALD3	Alford silt loam, 12 to 18 percent slopes, severely eroded
ALE	Alford silt loam, 18 to 25 percent slopes	ALE	Alford silt loam, 18 to 25 percent slopes
PaF, PkF, NgF, PaE, AmF	Alford-Parke complex, 18 to 50 percent slopes	AmF	Alford-Parke ^{silt loams} complex , 18 to 50 percent slopes

GIBSON COUNTY, INDIANA --Continued

Field symbols	Field map unit name	Publi- cation symbol	Approved map unit name
PrB, PrB2, PrB3, PrA, AnA, AnB2, AnB	Alvin fine sandy loam, 2 to 6 percent slopes	AnB	Alvin fine sandy loam, 2 to 6 percent slopes
PrC2, PrC, AnC, AnC2	Alvin fine sandy loam, 6 to 12 percent slopes, eroded	AnC2	Alvin fine sandy loam, 6 to 12 percent slopes, eroded
PrC3, AnC3	Alvin fine sandy loam, 6 to 12 percent slopes, severely eroded	AnC3	Alvin fine sandy loam, 6 to 12 percent slopes, severely eroded
PrD2, PrD, AnD, AnD2	Alvin fine sandy loam, 12 to 18 percent slopes, eroded	AnD2	Alvin fine sandy loam, 12 to 18 percent slopes, eroded
PrD3, AnD3	Alvin fine sandy loam, 12 to 18 percent slopes, severely eroded	AnD3	Alvin fine sandy loam, 12 to 18 percent slopes, severely eroded
An, Aq, C.F., Ao	Aquents	Ao	Aquents, frequently flooded
Ar	Armiesburg silt loam, occasionally flooded	Ar	Armiesburg silt loam, occasionally flooded
As	Armiesburg silt loam, protected	As	Armiesburg silt loam, protected
Ay, AyA, AvB	Ayrshire Variant fine sandy loam	Ay	Ayrshire Variant fine sandy loam
Bd	Birds silt loam, frequently flooded	Bd	Birds silt loam, frequently flooded
BLA, PLA	Bloomfield sand, 0 to 2 percent slopes	BLA	Bloomfield sand, 0 to 2 percent slopes
BLB, PLB	Bloomfield sand, 2 to 6 percent slopes	BLB	Bloomfield sand, 2 to 6 percent slopes

GIBSON COUNTY, INDIANA --Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
BLC	Bloomfield sand, 6 to 12 percent slopes	BLC	Bloomfield sand, 6 to 12 percent slopes
BLD	Bloomfield sand, 12 to 18 percent slopes	BLD	Bloomfield sand, 12 to 18 percent slopes
BLF, PrE, PrF	Bloomfield sand, 18 to 50 percent slopes	BLF	Bloomfield sand, 18 to 50 percent slopes
Bo	Bonnie silt loam, frequently flooded	Bo	Bonnie silt loam, frequently flooded
Bp	Bonnie silt loam, ponded	Bp	Bonnie silt loam, ponded
Cg, Ge	Chagrin silt loam, frequently flooded	Cg	Chagrin silt loam, frequently flooded
Wh, Kd, Cr	Whitaker fine sandy loam	Cr	Crawleyville loam
Du	Dumps, mine	Du	Dumps, mine
EkA	Elkinsville silt loam, 0 to 2 percent slopes	EkA	Elkinsville silt loam, 0 to 2 percent slopes
EkB, EkB2, EkC2, EkC3	Elkinsville silt loam, 2 to 6 percent slopes	EkB	Elkinsville silt loam, 2 to 6 percent slopes
Ev, Ev+	Evansville silt loam	Ev	Evansville silt loam
FaG	Fairpoint very shaly silt loam, 15 to 60 percent slopes	FaG	Fairpoint shaly silt loam, 15 to 60 percent slopes
GnF, WeF, GnE3, BkF, GnE	Gilpin silt loam, 18 to 50 percent slopes	GnF	Gilpin Variant silt loam, 18 to 50 percent slopes
ZaC3, ZaC2, GuC3	Zanesville Variant silt loam, 6 to 12 percent slopes, severely eroded	GuC3	Gudgel silt loam, 6 to 12 percent slopes, severely eroded

GIBSON COUNTY, INDIANA --Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
ZaD3, HoD, HoD2, HoD3, OtD3, ZaD2, GuD3	Zanesville Variant silt loam, 12 to 18 percent slopes, severely eroded	GuD3	Gudgel silt loam, 12 to 18 percent slopes, severely eroded
Hd, Hd+	Haymond silt loam, frequently flooded	Hd	Haymond silt loam, frequently flooded
ReA, HeA, HhA	Henshaw Variant silt loam, 0 to 2 percent slopes, frequently flooded	HhA	Henshaw Variant silt loam, 0 to 2 percent slopes, frequently flooded
HoB2, HoA, OtA, PeA, PeB, PeB2	Hosmer silt loam, 2 to 6 percent slopes, eroded	HoB2	Hosmer silt loam, 2 to 6 percent slopes, eroded
HoB3, PeB3	Hosmer silt loam, 2 to 6 percent slopes, severely eroded	HoB3	Hosmer silt loam, 2 to 6 percent slopes, severely eroded
HoC, HoC2	Hosmer silt loam, 6 to 12 percent slopes	HoC	Hosmer silt loam, 6 to 12 percent slopes
HoC3, OtC3	Hosmer silt loam, 6 to 12 percent slopes, severely eroded	HoC3	Hosmer silt loam, 6 to 12 percent slopes, severely eroded
IvA, BaA, Ba, SzA, DbA	Iva silt loam, 0 to 2 percent slopes	IvA	Iva silt loam, 0 to 2 percent slopes
IvB, BaB, IvB2	Iva silt loam, 2 to 4 percent slopes	IvB	Iva silt loam, 2 to 4 percent slopes
Ju	Junius loamy sand	Ju	Junius Variant loamy sand
La, ELA, ELB, Ld	Landes sandy loam, occasionally flooded	La	Landes sandy loam, occasionally flooded
Ln	Lindside silt loam, frequently flooded	Ln	Lindside silt loam, frequently flooded
Ly	Lyles Variant fine sandy loam	Ly	Lyles fine sandy loam

GIBSON COUNTY, INDIANA --Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
Se, Rn, Se+, Lz	Selma Variant silt loam	Lz	Lyles sandy loam, loamy substratum
Ag, Ma	Algiers Variant silt loam, frequently flooded	Ma	Maplehill silt loam, frequently flooded
Rs, Md	Ross silt loam, occasionally flooded	Md	Medway loam, occasionally flooded
Ro, Me	Ross loam, protected	Me	Medway loam, protected
Mt, Mg	Montgomery silty clay loam	Mg	Montgomery silty clay loam
St, Sd, Ss, Mh	Moundhaven loamy fine sand, frequently flooded	Mh	Moundhaven fine sandy loam, frequently flooded
MuA	Muren silt loam, 0 to 2 percent slopes	MuA	Muren silt loam, 0 to 2 percent slopes
MuB2, MuB, MuB3	Muren silt loam, 2 to 6 percent slopes, eroded	MuB2	Muren silt loam, 2 to 6 percent slopes, eroded
Nk	Newark silt loam, frequently flooded	Nk	Newark silty clay loam, frequently flooded
Nn	Nolin silt loam, protected	Nn	Nolin silt loam, protected
No	Nolin silt loam, frequently flooded	No	Nolin silt loam, frequently flooded
Pb, Pc, Pn	Patton silty clay loam	Pn	Patton silty clay loam
Pf, Po	Peoga silt loam	Po	Peoga silt loam
Ew, Pp	Petrolia silt loam, frequently flooded	Pp	Petrolia silt loam, frequently flooded

GIBSON COUNTY, INDIANA --Continued

Field symbols	Field map unit name	Publi- cation symbol	Approved map unit name
Pm, Pv	Petrolia silty clay loam, frequently flooded, very long duration	Pv	Petrolia silty clay loam, frequently flooded, very long duration
Gp, Pw	Pits, sand	Pw	Pits, sand
Ra	Ragsdale silt loam	Ra	Ragsdale silt loam
Rb, Sl	Ragsdale silt loam, overwash	Rb	Ragsdale silt loam, overwash
RLA	Reesville silt loam, 0 to 2 percent slopes	RLA	Reesville silt loam, 0 to 2 percent slopes
Sg, Ms, Rr	Rensselaer loam, loam substratum	Rr	Rensselaer fine sandy loam, loamy substratum
WfA, WfE, SbA	Williamsburg loam, 0 to 2 percent slopes	SbA	Skelton loam, 0 to 2 percent slopes
WgA, MfA, MfB, WgB, ScA	Wheeling silt loam, 0 to 2 percent slopes, frequently flooded	ScA	Skelton silt loam, 0 to 2 percent slopes, frequently flooded
Sn, Cu, Sf	Steff silt loam, frequently flooded	Sf	Steff silt loam, frequently flooded
Sw, Sr	Stendal silt loam, frequently flooded	Sr	Stendal silt loam, frequently flooded
FaB, FaC, SvC	Fairpoint silt loam, reclaimed, 1 to 15 percent slopes	SvC	Swanwick Variant silt loam, 1 to 15 percent slopes
SyB2, SyB3	Sylvan silt loam, 2 to 6 percent slopes, eroded	SyB2	Sylvan silt loam, 2 to 6 percent slopes, eroded
SyC3, SyC2	Sylvan silt loam, 6 to 12 percent slopes, severely eroded	SyC3	Sylvan silt loam, 6 to 12 percent slopes, severely eroded

GIBSON COUNTY, INDIANA --Continued

Field symbols	Field map unit name	Publi- cation symbol	Approved map unit name
SyD, SyD2	Sylvan silt loam, 12 to 18 percent slopes	SyD	Sylvan silt loam, 12 to 18 percent slopes
SyF, Alf	Sylvan silt loam, 18 to 50 percent slopes	SyF	Sylvan silt loam, 18 to 50 percent slopes
WeD3, WeD2, WeD, TaD3	Wellston silt loam, 12 to 18 percent slopes severely eroded	TaD3	Taftown silt loam, 12 to 18 percent slopes, severely eroded
WeE, WeF3, WeE2	Wellston silt loam, 18 to 25 percent slopes	TaE	Taftown silt loam, 18 to 25 percent slopes
Or, B.A., Ud	Udorthents, disturbed	Ud	Udorthents, cut and filled
SyD3, UmD3	Sylvan-Udorthent complex, 12 to 18 percent slopes, severely eroded	UmD3	Udorthents-Sylvan complex, 12 to 18 percent slopes, severely eroded
UnA, IoA	Uniontown silt loam, 0 to 2 percent slopes	UnA	Uniontown silt loam, 0 to 2 percent slopes
UnB2, MkB2, IoB2	Uniontown silt loam, 2 to 6 percent slopes, eroded	UnB2	Uniontown silt loam, 2 to 6 percent slopes, eroded
UnB3	Uniontown silt loam, 2 to 6 percent slopes, severely eroded	UnB3	Uniontown silt loam, 2 to 6 percent slopes, severely eroded
UnC3, MkC3, MkD3, UnC2	Uniontown silt loam, 6 to 12 percent slopes, severely eroded	UnC3	Uniontown silt loam, 6 to 12 percent slopes, severely eroded
Vn, Pg	Vincennes loam	Vn	Vincennes loam
Vo	Vincennes Variant silt loam, frequently flooded	Vo	Vincennes silt loam, frequently flooded

GIBSON COUNTY, INDIANA --Continued

Field symbols	Field map unit name	Publi- cation symbol	Approved map unit name
Wa, Sh	Wakeland silt loam, frequently flooded	Wa	Wakeland silt loam, frequently flooded
Wk	Wilbur silt loam, frequently flooded	Wk	Wilbur silt loam, frequently flooded
Ph, Wo	Petrolia silt loam, frequently flooded	Wo	Wilhite silty clay, frequently flooded
Sv, Wr	Wirt silt loam, sandy substratum, frequently flooded	Wr	Wirt silt loam, sandy substratum frequently flooded
Zp	Zipp silty clay	Zp	Zipp silty clay

Series Established by This Correlation:

Crawleyville (type location in Gibson County, Indiana)
Gudgel (type location in Gibson County, Indiana)
Maplehill (type location in Gibson County, Indiana)
Skelton (type location in Gibson County, Indiana)
Taftown (type location in Gibson County, Indiana)

Series Dropped or Made Inactive:

None

Certification Statement:

The state soil scientist certifies that:

1. Mapping was completed December 1984.
2. The general soil map for general planning has been joined with Knox County (Correlated in 1979) on the north; Pike County (correlated in 1983) on the north and east; Warrick County (Correlated in 1976) on the east and south; Vanderburg County (correlated in 1972) on the south and Posey County (correlated in 1978) on the south. A detailed join statement is on record. The detailed maps have been joined with adjoining counties. A detailed join statement is on record.
3. Interpretations have been coordinated.
4. The location of the typical pedons in this county are in soil areas using that reference name.

Verification of Exact Cooperator Names:

The following will be on the front of the publication:

United States Department of Agriculture
Soil Conservation Service
In cooperation with
Purdue University
Agricultural Experiment Station
and
Indiana Department of Natural Resources
Soil and Water Conservation Committee

The citation in the box on the inside of the front cover will read:
"This survey was made cooperatively by the Soil Conservation Service, Purdue University Agricultural Experiment Station, and the Indiana Department of Natural Resources, Soil and Water Conservation Committee. It is part of the technical assistance furnished to the Gibson County Soil and Water Conservation District. Financial assistance was made available by the Gibson County Board of County Commissioners."

Disposition of Original Atlas Field Sheets:

The original atlas field sheets for Gibson County will be retained by the Indiana State Office, and will be used in the map compilation and finishing procedures. Copies have been made for fire protection purposes. The state office at Indianapolis will prepare the atlas sheets for publication by June 1986.

Prior Soil Survey Publications:

The first soil survey of Gibson County was made in 1926 (ref. citation). This survey updates the first survey and provides additional information and larger maps that show the soil in greater detail.

Soil Survey of Gibson County, Indiana, T.M. Bushnell, of the Purdue University Agricultural Experiment Station in charge, and W.E. Tharp of the U.S. Department of Agriculture.

The management of Gibson County Soils by A.T. Wiancko and S.D. Conner, of the Department of Soils and Crops, Purdue University Agricultural Experiment Station. 57 pp., illus., 1926.

Instructions for Map Finishing:

The conventional and special symbols used in this survey are listed on the attached SCS-37A. These are the only symbols that will be shown on the published maps. The maps will be finished using the "Guide for Soil Map Finishing", July 1976.

Soil Survey Area: Gibson County
State: Indiana

CONVENTIONAL AND SPECIAL
SYMBOLS LEGEND

Date: 5/85

DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL
CULTURAL FEATURES		CULTURAL FEATURES (cont.)		SPECIAL SYMBOLS FOR SOIL SURVEY	
BOUNDARIES		MISCELLANEOUS CULTURAL FEATURES		SOIL DELINEATIONS AND SOIL SYMBOLS	
National, state, or province		Farmstead, house (omit in urban areas)		ESCARPMENTS	
County or parish		Church		Bedrock (points down slope)	
Minor civil division		School		Other than bedrock (points down slope)	
Field sheet matchline & nestline		Wells, oil or gas		SHORT STEEP SLOPE	
AD HOC BOUNDARY (label)		WATER FEATURES		GULLY	
Small airport, airfield, park, oilfield, cemetery, or flood pool		DRAINAGE		MISCELLANEOUS	
STATE COORDINATE TICK		Perennial, double line		Gravelly spot	
LAND DIVISION CORNERS (sections and land grants)		Perennial, single line		Rock outcrop (includes sandstone and shale)	
ROADS		Intermittent		Sandy spot	
Divided (median shown if scale permits)		Drainage end		Severely eroded spot	
County, farm or ranch		LAKES, PONDS AND RESERVOIRS		RECOMMENDED AD HOC SOIL SYMBOLS	
ROAD EMBLEMS & DESIGNATIONS		Perennial		Disturbed soil area #	
Interstate		LAKES, PONDS AND RESERVOIRS			
Federal		Perennial			
State		LAKES, PONDS AND RESERVOIRS			
RAILROAD		Perennial			
LEVEES		MISCELLANEOUS WATER FEATURES			
Without road		Marsh or swamp			
DAMS		Wet spot			
Medium or small					

PRIME FARMLAND

(Only the soils considered prime farmland are listed. Urban or built-up areas of the soils listed are not considered prime farmland. If a soil is prime farmland only under certain conditions, the conditions are specified in parentheses after the soil name)

Map symbol	Soil name
ALA	:Alford silt loam, 0 to 2 percent slopes
AlB2	:Alford silt loam, 2 to 6 percent slopes, eroded
AnB	:Alvin fine sandy loam, 2 to 6 percent slopes
Ar	:Armiesburg silt loam, occasionally flooded
As	:Armiesburg silt loam, protected
Ay	:Ayrshire Variant fine sandy loam (where drained)
Bd	:Birds silt loam, frequently flooded (where drained and : either protected from flooding or not frequently flooded : during the growing season)
Bo	:Bonnie silt loam, frequently flooded (where drained and : either protected from flooding or not frequently flooded : during the growing season)
Cg	:Chagrins silt loam, frequently flooded (where protected : from flooding or not frequently flooded during the : growing season)
Cr	:Crawleyville loam (where drained)
EkA	:Elkinsville silt loam, 0 to 2 percent slopes
EkB	:Elkinsville silt loam, 2 to 6 percent slopes
Ev	:Evansville silt loam (where drained)
Hd	:Haymond silt loam, frequently flooded (where protected : from flooding or not frequently flooded during the : growing season)
HhA	:Henshaw Variant silt loam, 0 to 2 percent slopes, : frequently flooded (where drained and either protected : from flooding or not frequently flooded during the : growing season)
HoB2	:Hosmer silt loam, 2 to 6 percent slopes, eroded
IvA	:Iva silt loam, 0 to 2 percent slopes (where drained)
IvB	:Iva silt loam, 2 to 4 percent slopes (where drained)
La	:Landes sandy loam, occasionally flooded
Ln	:Lindside silt loam, frequently flooded (where protected : from flooding or not frequently flooded during the : growing season)
Ly	:Lyles fine sandy loam (where drained)
Lz	:Lyles sandy loam, loamy substratum (where drained)

PRIME FARMLAND--Continued

Map symbol	Soil name
Ma	!Maplehill silt loam, frequently flooded (where drained ! and either protected from flooding or not frequently ! flooded during the growing season)
Md	!Medway loam, occasionally flooded
Me	!Medway loam, protected
Mg	!Montgomery silty clay loam (where drained)
MuA	!Muren silt loam, 0 to 2 percent slopes
MuB2	!Muren silt loam, 2 to 6 percent slopes, eroded
Nk	!Newark silty clay loam, frequently flooded (where drained ! and either protected from flooding or not frequently ! flooded during the growing season)
Nn	!Nolin silt loam, protected
No	!Nolin silt loam, frequently flooded (where protected from ! flooding or not frequently flooded during the growing ! season)
Pn	!Patton silty clay loam (where drained)
Po	!Peoga silt loam (where drained)
Pp	!Petrolia silt loam, frequently flooded (where drained and ! either protected from flooding or not frequently flooded ! during the growing season)
Ra	!Ragsdale silt loam (where drained)
Rb	!Ragsdale silt loam, overwash (where drained)
RLA	!Reesville silt loam, 0 to 2 percent slopes (where ! drained)
Rr	!Rensselaer fine sandy loam, loamy substratum (where ! drained)
SbA	!Skelton loam, 0 to 2 percent slopes
ScA	!Skelton silt loam, 0 to 2 percent slopes, frequently ! flooded (where protected from flooding or not frequently ! flooded during the growing season)
Sf	!Steff silt loam, frequently flooded (where protected from ! flooding or not frequently flooded during the growing ! season)
Sr	!Stendal silt loam, frequently flooded (where drained and ! either protected from flooding or not frequently flooded ! during the growing season)
SyB2	!Sylvan silt loam, 2 to 6 percent slopes, eroded
UnA	!Uniontown silt loam, 0 to 2 percent slopes
UnB2	!Uniontown silt loam, 2 to 6 percent slopes, eroded
Vn	!Vincennes loam (where drained)
Vo	!Vincennes silt loam, frequently flooded (where drained ! and either protected from flooding or not frequently ! flooded during the growing season)

PRIME FARMLAND--Continued

Map symbol	Soil name
Wa	Wakeland silt loam, frequently flooded (where drained and either protected from flooding or not frequently flooded during the growing season)
Wk	Wilbur silt loam, frequently flooded (where protected from flooding or not frequently flooded during the growing season)
Wo	Wilhite silty clay, frequently flooded (where drained and either protected from flooding or not frequently flooded during the growing season)
Wr	Wirt silt loam, sandy substratum frequently flooded (where protected from flooding or not frequently flooded during the growing season)
Zp	Zipp silty clay (where drained)

Approved: APR 3 1986

Rodney F. Harner
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Midwest NTC

CONVERSION LEGEND FOR
GIBSON COUNTY, INDIANA

Field symbol	Publi- cation symbol	Field symbol	Publi- cation symbol	Field symbol	Publi- cation symbol	Field symbol	Publi- cation symbol
Ad	Ad	BLF	BLF	HoD	GuD3	OtA	HoB2
Ag	Ma	Bo	Bo	HoD2	GuD3	OtC3	HoC3
ALA	ALA	Bp	Bp	HoD3	GuD3	OtD3	GuD3
ALB	ALB2	C.F.	Ao	IoA	UnA	PaC3	ALC3
ALB2	ALB2	Ca	Ad	IoB2	UnB2	PaD2	ALD2
ALB3	ALB3	Cg	Cg	IvA	IvA	PaD3	ALD3
ALC2	ALC2	Cr	Cr	IvB	IvB	PaE	AmF
ALC3	ALC3	Cu	Sf	IvB2	IvB	PaF	AmF
ALD2	ALD2	DbA	IvA	Ju	Ju	Pb	Pn
ALD3	ALD3	Du	Du	Kd	Cr	Pc	Pn
ALE	ALE	EkA	EkA	La	La	PeA	HoB2
ALF	SyF	EkB	EkB	Ld	La	PeB	HoB2
AmF	AmF	EkB2	EkB	Ln	Ln	PeB2	HoB2
An	Ao	EkC2	EkB	Lw	Ad	PeB3	HoB3
AnA	AnB	EkC3	EkB	Lw+	Ad	Pf	Po
AnB	AnB	ELA	La	Ly	Ly	Pg	Vn
AnB2	AnB	ELB	La	Lz	Lz	Ph	Wo
AnC	AnC2	Ev	Ev	Ma	Ma	PkC2	ALC2
AnC2	AnC2	Ev+	Ev	Md	Md	PkC3	ALC3
AnC3	AnC3	Ew	Pp	Me	Me	PkD2	ALD2
AnD	AnD2	FaB	SvC	Mg	Mg	PkD3	ALD3
AnD2	AnD2	FaC	SvC	Mh	Mh	PkF	AmF
AnD3	AnD3	FaG	FaG	MkB2	UnB2	PLA	BLA
Ao	Ao	Ge	Cg	MkC3	UnC3	PLB	BLB
Aq	Ao	GnE	GnF	MkD3	UnC3	Pm	Pv
Ar	Ar	GnE3	GnF	MLA	ScA	Pn	Pn
As	As	GnF	GnF	MLB	ScA	Po	Po
AvB	Ay	Gp	Pw	Ms	Rr	Pp	Pp
Ay	Ay	GuC3	GuC3	Mt	Mg	PrA	AnB
AyA	Ay	GuD3	GuD3	MuA	MuA	PrB	AnB
B.A.	Ud	Hd	Hd	MuB	MuB2	PrB2	AnB
Ba	IvA	Hd+	Hd	MuB2	MuB2	PrB3	AnB
BaA	IvA	HeA	HhA	MuB3	MuB2	PrC	AnC2
BaB	IvB	HhA	HhA	NaC3	ALC3	PrC2	AnC2
Bd	Bd	HoA	HoB2	NaD3	ALD3	PrC3	AnC3
BkF	GnF	HoB2	HoB2	NaF	AmF	PrD	AnD2
BLA	BLA	HoB3	HoB3	Nk	Nk	PrD2	AnD2
BLB	BLB	HoC	HoC	Nn	Nn	PrD3	AnD3
BLC	BLC	HoC2	HoC	No	No	PrE	BLF
BLD	BLD	HoC3	HoC3	Or	Ud	PrF	BLF

GIBSON COUNTY, INDIANA --Continued

Field symbol	Publi-cation symbol	Field symbol	Publi-cation symbol	Field symbol	Publi-cation symbol	Field symbol	Publi-cation symbol
Pv	Pv	UnB3	UnB3				
Pw	Pw	UnC2	UnC3				
Ra	Ra	UnC3	UnC3				
Rb	Rb	Vn	Vn				
ReA	HhA	Vo	Vo				
RLA	RLA	Wa	Wa				
Rn	Lz	WeD	TaD3				
Ro	Me	WeD2	TaD3				
Rr	Rr	WeD3	TaD3				
Rs	Md	WeE	TaE				
SbA	SbA	WeF2	TaE				
ScA	ScA	WeE3	TaE				
Sd	Mh	WeF	GnF				
Se	Lz	WfA	SbA				
Se+	Lz	WfB	SbA				
Sf	Sf	WgA	ScA				
Sg	Rr	WgE	ScA				
Sh	Wa	Wh	Cr				
Sl	Rb	Wk	Wk				
Sn	Sf	Wo	Wo				
Sr	Sr	Wr	Wr				
Ss	Mh	ZaC2	GuC3				
St	Mh	ZaC3	GuC3				
Sv	Wr	ZaD2	GuD3				
SvC	SvC	ZaD3	GuD3				
Sw	Sr	Zp	Zp				
SyB2	SyB2						
SyB3	SyB2						
SyC2	SyC3						
SyC3	SyC3						
SyD	SyD						
SyD2	SyD						
SyD3	UmD3						
SyF	SyF						
SzA	IvA						
TaD3	TaD3						
Ud	Ud						
UmD3	UmD3						
UnA	UnA						
UnB2	UnB2						

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CLASSIFICATION OF PEDONS SAMPLED FOR LABORATORY ANALYSIS

1. Data from the Purdue Laboratory with SCS-SOILS-8 forms.

<u>Sampled as:</u>	<u>Pedon Sampled No.</u>	<u>Publication Symbol</u>	<u>Approved Name</u>
Alford	S82IN51-19(1-8)	A1B2	Alford taxadjunct; Ultic Hapludalf
Alford	S82IN51-20(1-9)	A1D3	Alford taxadjunct; coarse-silty Dystric Eutrochrept
Princeton	S83IN51-9(1-8)	AnC2	Alvin taxadjunct; Ultic Hapludalf <u>2/</u>
Armiesburg	S82IN51-16(1-8)	Ar	Armiesburg--thicker solum and less clay than recognized for series. Also 2 chroma in C, silt loam in Bw, and clay loam in C are outside the series. <u>2/</u>
Ayrshire	S83IN51-12(1-8)	Ay	Ayrshire Variant <u>2/</u>
Bloomfield	S83IN51-13(1-6)	B1C	Bloomfield <u>2/</u>
Whitaker	S83IN5-10(1-9)	Cr	Crawleyville <u>2/</u> <u>1/</u>
Elkinsville	S82IN51-17(1-11)	EKA	Elkinsville taxadjunct; Typic Hapludalf <u>2/</u>
Evansville	S82IN51-21(1-6)	Ev	Evansville <u>2/</u>
Henshaw Variant	S85IN-2(1-11)	HhA	Henshaw Variant <u>2/</u>
Hosmer	S82IN51-9(1-9)	HoB2	Hosmer <u>2/</u>
Lindside	S83IN51-1(1-5)	Ln	Lindside taxadjunct; fine textured
Lyles Variant	S83IN51-11(1-6)	Ly	Lyles--thicker A horizon and thinner Bg than recognized. <u>2/</u>
Patoka	S85IN51-3(1-7)	Lz	Lyles--thicker A horizon
Maplehill	S85IN51-1(1-11)	Ma	Maplehill <u>1/</u> <u>2/</u>
Abscota	S82IN51-3(1-7)	Mh	Moundhaven taxadjunct <u>2/</u> Typic Udipsamment

<u>Sampled as:</u>	<u>Pedon Sampled No.</u>	<u>Publication Symbol</u>	<u>Approved Name</u>
Muren	S82IN51-7(1-8)	MuB2	Muren <u>2/</u> C and lower B horizon are less acid than recognized
Newark	S82IN51-4(1-8)	Nk	Newark <u>2/</u> thicker solum than recognized.
Nolin	S82IN51-2(1-10)	No	Nolin <u>2/</u> slightly thicker B than recognized
Haymond	S82IN51-5(1-9)	Hd	Nolin inclusion in map unit
Peoga	S84IN51-10(1-9)	Po	Peoga--has less clay in the control section than recognized <u>2/</u>
Ragsdale	S82IN51-14(1-8)	Ra	Ragsdale taxadjunct <u>2/</u> Typic Haplaquoll
Skelton	S85IN51-4(1-9)	SbA	Skelton <u>2/</u> <u>1/</u>
Skelton	S85IN51-6(1-11)	ScA	Skelton taxadjunct; fine textured
Sylvan	S82IN51-11(1-5)	SyF	Sylvan <u>2/</u>
Baldhill	S85IN51-5(1-8)	TaE	Taftown <u>1/</u> <u>2/</u>
Uniontown	S82IN51-13(1-7)	UnB2	Uniontown--Bt horizon more alkaline than recognized <u>2/</u>
Vincennes	S81IN51-5(1-10)	Vo	Vincennes
Wakeland	S82IN51-12(1-6)	Wa	Wakeland <u>2/</u>
Wilbur	S82IN51-12(1-6)	Wk	Wilbur <u>2/</u>
Petrolia	S82IN51-18(1-7)	Wo	Wilhite <u>2/</u>
Zipp	S83IN51-8(1-7)	Zp	Zipp <u>2/</u>

2. Data from the National Soil Survey Laboratory with SCS-SOILS-8 forms.

<u>Sampled as:</u>	<u>Pedon Sampled No.</u>	<u>Publication Symbol</u>	<u>Approved Name</u>
Evansville	S83IN51-4(1-8)	Pp	Birds taxadjunct; fine-loamy inclusion in mapping unit
Ross	S82IN51-15(1-8)	Md	Medway taxadjunct; Fluventic Hapludoll <u>2/</u>
Evansville	S83IN51-6(1-7)	Pp	Petrolia <u>2/</u>
Rensselaer	S84IN511(18)	Rr	Rensselaer taxadjunct; Typic Haplaquoll <u>2/</u>
Evansville	S83IN515(18)	Pp	Wilhite inclusion in mapping unit

1/ type location for series

2/ typical pedon

Notes to Accompany the
Classification and Correlation of
Gibson County, Indiana

by

William D. Hosteter and Roger L. Haberman

ALFORD SERIES

Alford soils in mapping units A1A, A1B2, A1C2, A1D2, A1E, and AmF units are taxadjuncts because they have lower base saturation at the critical depth than definitive for the series. The soils in these units are Ultic Hapludalfs. The soils in units A1B3, A1C3, and A1D3 are taxadjuncts because they do not have an argillic horizon. This is likely due to past erosion. The soils in these units are Dystric Eutrochrepts.

ALVIN SERIES

These soils are taxadjuncts because the base saturation is lower at the critical depth than definitive for the series. They are Ultic Hapludalfs.

ARMIESBURG SERIES

The solum is slightly thicker and the B horizon has less clay in the upper part than the series range. The C horizon below a depth of 60 inches is clay loam and has chroma of 2 and the B horizon below a depth of 55 inches has gray mottles which is outside the series range.

AYRSHIRE VARIANT

These soils formed in windblown sandy material on uplands. There are about 1000 acres in the survey area.

BIRDS SERIES

These soils have a B horizon which is not allowed in the series range.

BLOOMFIELD SERIES

The soils in map unit B1A are taxadjunct because they do not have lamellae. These soils classify as Typic Udipsamments.

BONNIE SERIES

These soils are taxadjuncts because they are less acid in the lower part of the control section than the series range. They are in the nonacid family.

CHAGRIN SERIES

The C horizon is sand, which is not in the series range.

CRAWLEYVILLE SERIES

This series is established by this correlation. These soils formed in leached loamy sediments of Wisconsin age on river terraces. There are about 1600 acres in the survey area.

ELKINSVILLE SERIES

These soils are taxadjuncts because they have a higher base saturation than the series range. They are Typic Hapludalfs.

GILPIN VARIANT

These soils formed in loess and residuum from neutral shale and sandstone. There are about 1600 acres.

GUDGEL SERIES

This series is established by this correlation. The soils formed in loess and the underlying residuum from shale and sandstone. There are about 4300 acres in the survey area. This series was set up for soils named Zanesville Variant in the field correlation.

HENSHAW VARIANT

These soils formed in silty sediments on stream terraces. The average clay content (35.35 percent) is marginal to fine but the soil appears to behave like a fine-silty soil and are classified as fine-silty. There are about 1450 acres in the survey area.

JUNIUS VARIANT

These soils formed in sandy and loamy windblown sediments in depressions. There are about 890 acres in the survey area.

LANDES SERIES

The solum is thicker and the lower part of the B horizon contains more gravel than the series range. The B horizon has redder hue and the C horizon has chroma of 6 which is outside the series range.

LINDSIDE SERIES

The solum is thicker than the series range.

LYLES SERIES

These soils have an A horizon which extends to 36 inches that is dark enough for a mollic epipedon, but the organic carbon content is not high enough in the lower part. The A horizon is slightly thicker than recognized for the series and the Bg is slightly thinner.

The Lyles loamy substratum unit does not have sandy textures above a depth of 60 inches. It is not a source of sand, neither does it have cutbanks cave.

MAPLEHILL SERIES

This series is established by this correlation. The soils formed in recent alluvium overlying a buried soil. There are about 2360 acres in the survey area.

MEDWAY SERIES

These soils are taxadjuncts because they do not have mottles within a depth of 6 inches below the mollic epipedon. They classify as Fluventic Hapludolls.

MONTGOMERY SERIES

The C horizon does not have carbonates as required for the series and the A horizon is slightly thicker than the series range.

MOUNDHAVEN SERIES

These soils are taxadjuncts because they do not have strata finer than loamy fine sand between a depth of 10 and 40 inches. They are Typic Udipsamments.

MUREN SERIES

The lower part of the B horizon and the C horizon is less acid than the series range.

NEWARK SERIES

The solum is thicker than the series range because the B horizon is thicker than recognized.

NOLIN SERIES

The B horizon is slightly thicker than recognized.

PARKE SERIES

The 2Bt and 2C horizons are less acid than the series range. In addition, value of 3 and chroma of 1 in the A horizon are outside the series range.

PATTON SERIES

The solum and the A horizon are thicker than the series range. In addition, the Bg horizon includes silt loam textures which is outside the series range.

PEOGA SERIES

Stratification is not evident in this soil as is typical for the series. The soils have slightly less clay in the control section than recognized for the series.

PETROLIA SERIES

These soils have a B horizon which is not recognized in the series.

RAGSDALE SERIES

These soils are taxadjuncts because they do not have sufficient clay increase for an argillic horizon. They are Typic Haplaquolls.

REESVILLE SERIES

The C horizon is not calcareous and the B and C horizon includes chroma of 6. These items are outside the series range. The E horizon is thicker than the series range. The B horizon has less clay than the series range.

RENSSELAER SERIES

These soils are taxadjuncts because they lack sufficient clay increase for an argillic horizon. They are Typic Haplaquolls.

SKELTON SERIES

This series is established by this correlation. The soils formed in loamy and silty sediments on river terraces. There are about 1780 acres in the survey area.

STENDAL SREIES

A B horizon is recognized in this soil which is outside the series range.

SWANWICK VARIANT

These soils are in areas of reclaimed strip mines. They formed in 24 to 40 inches of silty material relatively free of coarse fragments, underlain by graded cast overburden which has greater than 60 percent shale fragments. Involved is about 625 acres.

SYLVAN SERIES

The C horizon includes silt which is not in the series range.

TAFTOWN SERIES

This series is established by this correlation. The soils formed in loess and residuum from neutral sandstone and shale. There are about 2350 acres in the survey area.

UNIONTOWN SERIES

The lower Bt horizon is slightly more alkaline and the solum in mapping unit UnA is slightly thicker than recognized for the series.

VINCENNES SERIES

A flooded phase Soil Interpretation Record has been prepared for the soils which are not protected by a levee.

WILBUR SERIES

These soils have a B horizon which is not in the series range.

WIRT SERIES

These soils have sandy textures above a depth of 40 inches which is not in the series range. However, the pedons do not classify as contrasting family textures. These soils are named as a substratum phase.

CLASSIFICATION OF THE SOILS

(An asterisk in the first column indicates a taxadjunct to the series. See notes for a description of those characteristics of this taxadjunct that are outside the range of the series)

Soil name	Family or higher taxonomic class
Adrian-----	Sandy or sandy-skeletal, mixed, euic, mesic Terric Medisaprists
*Alford-----	Fine-silty, mixed, mesic Typic Hapludalfs
*Alvin-----	Coarse-loamy, mixed, mesic Typic Hapludalfs
Aquents-----	Mixed, mesic Fluvaquents
Armiesburg---	Fine-silty, mixed, mesic Fluventic Hapludolls
Ayrshire Variant.	Coarse-loamy, mixed, mesic Aeric Ochraqualfs
Birds-----	Fine-silty, mixed, nonacid, mesic Typic Fluvaquents
Bloomfield---	Sandy, mixed, mesic Psammentic Hapludalfs
*Bonnie-----	Fine-silty, mixed, acid, mesic Typic Fluvaquents
Chagrin-----	Fine-loamy, mixed, mesic Dystric Fluventic Eutrochrepts
Crawleyville	Fine-loamy, mixed, mesic Aeric Ochraqualfs
*Elkinsville	Fine-silty, mixed, mesic Ultic Hapludalfs
Evansville---	Fine-silty, mixed, nonacid, mesic Typic Haplaquepts
Fairpoint----	Loamy-skeletal, mixed, nonacid, mesic Typic Udorthents
Gilpin Variant.	Fine-loamy, mixed, mesic Typic Hapludalfs
Gudgel-----	Fine-silty, mixed, mesic Aquic Fragiudalfs
Haymond-----	Coarse-silty, mixed, nonacid, mesic Typic Udifulvents
Henshaw Variant.	Fine-silty, mixed, mesic Aeric Ochraqualfs
Hosmer-----	Fine-silty, mixed, mesic Typic Fragiudalfs
Iva-----	Fine-silty, mixed, mesic Aeric Ochraqualfs
Junius Variant.	Coarse-loamy, mixed, mesic Typic Haplaquepts
Landes-----	Coarse-loamy, mixed, mesic Fluventic Hapludolls
Lindside-----	Fine-silty, mixed, mesic Fluvaquentic Eutrochrepts
Lyles-----	Coarse-loamy, mixed, mesic Typic Haplaquolls
Maplehill----	Coarse-silty, mixed, nonacid, mesic Aeric Fluvaquents

CLASSIFICATION OF THE SOILS--Continued

Soil name	Family or higher taxonomic class
*Medway-----	Fine-loamy, mixed, mesic Fluvaquentic Hapludolls
Montgomery----	Fine, mixed, mesic Typic Haplaquolls
*Moundhaven----	Sandy, mixed, mesic Typic Udifluvents
Muren-----	Fine-silty, mixed, mesic Aquic HapludalFs
Newark-----	Fine-silty, mixed, nonacid, mesic Aeric Fluvaquents
Nolin-----	Fine-silty, mixed, mesic Dystric Fluventic Eutrochrepts
Parke-----	Fine-silty, mixed, mesic Ultic HapludalFs
Patton-----	Fine-silty, mixed, mesic Typic Haplaquolls
Peoga-----	Fine-silty, mixed, mesic Typic OchraqualFs
Petrolia-----	Fine-silty, mixed, nonacid, mesic Typic Fluvaquents
*Ragsdale-----	Fine-silty, mixed, mesic Typic Argiaquolls
Reesville----	Fine-silty, mixed, mesic Aeric OchraqualFs
*Rensselaer----	Fine-loamy, mixed, mesic Typic Argiaquolls
Skelton-----	Fine-loamy, mixed, mesic Typic HapludalFs
Steff-----	Fine-silty, mixed, mesic Fluvaquentic Dystrochrepts
Stendal-----	Fine-silty, mixed, acid, mesic Aeric Fluvaquents
Swanwick	Fine-silty, mixed, nonacid, mesic Typic Variant. Udorthents
Sylvan-----	Fine-silty, mixed, mesic Typic HapludalFs
Taftown-----	Coarse-silty, mixed, mesic Typic HapludalFs
Udorthents-----	Loamy, mixed, mesic Udorthents
Udorthents, cut and filled	Mesic Udorthents
Uniontown----	Fine-silty, mixed, mesic Typic HapludalFs
Vincennes----	Fine-loamy, mixed, nonacid, mesic Typic Haplaquepts
Wakeland-----	Coarse-silty, mixed, nonacid, mesic Aeric Fluvaquents
Wilbur-----	Coarse-silty, mixed, nonacid, mesic Aquic Udifluvents
Wilhite-----	Fine, mixed, nonacid, mesic Typic Fluvaquents
Wirt-----	Coarse-loamy, mixed, nonacid, mesic Typic Udifluvents
Zipp-----	Fine, mixed, nonacid, mesic Typic Haplaquepts